Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/17/2019 10:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124135	-1	2.66	124156	2.73
Blue	F	SSC	125000	123102	-2	4.4	123900	4.43
Blue	E	FITC	16694	16511	-2	4.13	383	22.15
Blue	D	PE	32792	32119	-3	3.43	707	16.61
Blue	B	PerCP-Cy5-5	44451	44105	-1	5.04	1202	23.9
Blue	A	PE-Cy7	33645	33877	0	7.51	606	50.62
Red	C	APC	47008	46511	-2	3.08	1790	13.87
Red	A	APC-Cy7	32298	31694	-2	2.94	791	14.33
Violet	B	V450	8961	8697	-3	4.83	492	14.42
Violet	A	V500	32726	31704	-4	4.47	764	11.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20252	5.61	614	1	N/A	N/A	Pass
Blue	F	SSC	56202	3.85	589	21	N/A	N/A	Pass
Blue	E	FITC	63	72.41	573	10	0.0151	117	Pass
Blue	D	PE	142	58.08	577	11	0.1308	305	Pass
Blue	B	PerCP-Cy5-5	221	57.93	682	11	0.0068	48	Pass
Blue	A	PE-Cy7	117	126.02	738	12	0.0081	23	Pass
Red	C	APC	411	29.3	616	3	0.0176	99	Pass
Red	A	APC-Cy7	196	32.03	586	1	0.0044	983	Pass
Violet	B	V450	78	63.26	489	3	0.0418	2052	Pass
Violet	A	V500	109	35.3	498	2	0.0198	609	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/17/2019 10:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.83	-32.28	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	16.61	13.60 - 20.40	N/A	N/A	29.27	29.81	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11993

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments